

Title (en)

Inorganic tubular filter element having a high filtration surface and mechanical strength

Title (de)

Anorganisches rohrförmiges Filterelement mit hoher Filteroberfläche und Festigkeit

Title (fr)

Élément tubulaire inorganique de filtration présentant une surface de filtration et une résistance mécanique accrues

Publication

EP 0778073 B1 20020220 (FR)

Application

EP 96420339 A 19961127

Priority

FR 9514512 A 19951205

Abstract (en)

[origin: EP0778073A1] A filter element comprises an elongate block of porous inorganic material of circular or polygonal cross-section with a plurality of channels (3) therethrough extending lengthwise of the block and each lined with at least one filtering layer, at least some of the channels being spaced around a pitch circle concentric with the block axis and close to its outer periphery, each of these channels being non-circular in cross-section but delimited by two radial walls (7) separating it from adjacent channels and one outer wall (6) through which filtrate will flow from the channel interior passage to the outer periphery of the block. The radial thickness of the outer wall (6) of each channel varies around the block periphery, being least along the central axial-radial plane of the channel and greatest where the outer wall joins the radial walls (7).

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

FR2805331A1; WO2016193573A1; FR2785831A1; EP1570898A1; US9731229B2; FR3036626A1; RU2710430C2; WO0029098A1; WO0162370A1; WO2012095611A1; US9522351B2; WO2015000801A1; WO2015177476A1; US10245561B2; US11413562B2; WO2017114522A1; WO2023126608A1; FR3131544A1

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